RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/537,017

Source: Plt

Date Processed by STIC: 6-13-05

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PCT

RAW SEQUENCE LISTING   DATE: 06/13/2005
PATENT APPLICATION: US/10/537,017   TIME: 09:40:56

Input Set : **A:\67314-02 SEQ LIST.txt**
Output Set: **N:\CRF4\06132005\J537017.raw**

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 3 <110> APPLICANT: THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD
 4        OF HIGHER EDUCATION ON BEHALF OF OREGON STATE UNIVERSITY
 5        Azevedo, Mark
 6        Armstrong, Donald
 7        Mills, Dallice I.
 8        Banowetz, Gary
 9        Russell, Brian
10        Groenig, Aleta
11        Elliott, Lloyd
13 <120> TITLE OF INVENTION: BACTERIAL BIOHERBICIDE FOR CONTROL OF GRASSY WEEDS
15 <130> FILE REFERENCE: 245-67314-02
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C--> **17 <140> CURRENT APPLICATION NUMBER: US/10/537,017**
C--> **17 <141> CURRENT FILING DATE: 2005-06-01**

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17 <150> PRIOR APPLICATION NUMBER: US 60/431,651
18 <151> PRIOR FILING DATE: 2002-12-06
20 <150> PRIOR APPLICATION NUMBER: PCT/US2003/038653
21 <151> PRIOR FILING DATE: 2003-12-05
23 <160> NUMBER OF SEQ ID NOS: 13
25 <170> SOFTWARE: PatentIn version 3.2
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28 <211> LENGTH: 550
29 <212> TYPE: DNA
30 <213> ORGANISM: Pseudomonas fluorescens
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236 <211> LENGTH: 459
237 <212> TYPE: PRT
238 <213> ORGANISM: Pseudomonas fluorescens
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247             20                  25                  30
250 Leu Ser Leu Leu Arg Val Leu Pro Gly Glu Arg Tyr Val Gly Ala Ala
251         35                  40                  45
254 Val Trp Arg Gly Arg Ala Val Leu Ala Lys Leu Leu Val Gly Ser Lys
255     50                  55                  60
258 Ala Ala Arg His Phe Gln Arg Glu Leu Thr Gly Val Arg Leu Leu Ala
259 65                  70                  75                  80
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RAW SEQUENCE LISTING   DATE: 06/13/2005
PATENT APPLICATION: US/10/537,017   TIME: 09:40:56

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Output Set: N:\CRF4\06132005\J537017.raw

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270 Leu Ala Asp Ala Trp Gln Ala Val Glu Ala Leu Pro Pro Leu Ala Asp
271           115             120             125
274 Glu Gln Thr Ala Val Leu Ala Glu Ala Leu Gly Ala Ile Ala Gln Met
275       130             135             140
278 His Thr Lys Gly Leu Trp Gln Glu Asp Leu His Leu Asp Asn Leu Leu
279 145               150             155             160
282 Arg Gln Asp Gly Lys Leu Tyr Leu Ile Asp Gly Ala Gly Ile Arg Val
283               165             170             175
286 Glu Glu Ala Gly Lys Pro Leu Ser Arg Asn Arg Val Leu Glu Asn Leu
287           180             185             190
290 Gly Val Phe Phe Ala Gln Leu Pro Lys Asn Leu Glu Pro Phe Thr Glu
291           195             200             205
294 Glu Leu Leu Val Tyr Tyr Leu Leu Gly Asn Ser Glu His Ala Leu Pro
295       210             215             220
298 Leu Gln Ala Leu Glu Lys Gln Val Arg Lys Val Ser Ala Trp Arg Leu
299 225               230             235             240
302 Lys Asp Phe Leu Asn Lys Ala Gly Arg Glu Cys Thr Leu Phe Ser Val
303               245             250             255
306 Val Arg Gly Ala Phe Gly Leu Arg Ala Ile Arg Arg Glu Glu Glu Pro
307           260             265             270
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311           275             280             285
314 His Leu Tyr Lys Thr Gly Gly Ala Ala Ser Val Ala Lys Val Glu Val
315       290             295             300
318 Ala Gly Arg Pro Leu Val Ile Lys Arg Tyr Asn Ile Lys Gly Phe Ala
319 305               310             315             320
322 His Trp Leu Lys Arg Phe Trp Arg Pro Ser Arg Ala Trp His Ser Trp
323               325             330             335
326 Arg Glu Gly Asn Arg Leu Ala Phe Leu Gly Ile Ala Thr Pro Lys Pro
327           340             345             350
330 Leu Ala Val Leu Glu Lys Arg Val Phe Trp Leu Arg Ser Arg Ala Tyr
331           355             360             365
334 Leu Ile Thr Glu Tyr Leu Pro Gly Pro Asp Ile Ile Glu Arg Phe Ala
335       370             375             380
338 Pro Tyr Ile Asp Asn Gly Asp Ala Pro Glu Asn Glu Leu Leu Ala Leu
339 385               390             395             400
342 Asp His Leu Phe Ala Gln Leu Ile Gly Glu Arg Ile Ser His Gly Asp
343           405             410             415
346 Phe Lys Gly His Asn Leu Phe Trp His Glu Asp Arg Trp Ala Leu Ile
347           420             425             430
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369 Gln Gln Phe Val Phe Arg Arg Val Thr Val Val Asp Val Gly Arg Lys
370             20                  25                  30
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374         35                  40                  45
377 Thr Ala Ala Gln Pro Glu Asn Ala Leu Phe Gln Tyr Gly Gln Trp Leu
378     50                  55                  60
381 Gly Arg Gly Asp Thr Gln Glu Arg Gln Ala Val Ala Phe Thr Pro Gly
382 65                  70                  75                  80
385 Val Pro Gly Ala Ala Trp Ala Pro Glu Ala Phe Glu Pro Met Gly Glu
386             85                  90                  95
389 Pro Asp Val Val Thr Leu Asp His Gln Arg Thr Thr Gly His Leu Asp
390             100                 105                 110
393 Leu Gly His Ala Gly Gly Thr Ala Gly Leu Val Gln Val Ala Ala Val
394             115                 120                 125
397 Glu Gln Arg Ile Gly Leu Phe Gln His Arg Gln His Arg Arg Leu Phe
398         130                 135                 140
401 Phe Ala Thr Asn Arg Ala Gln Thr Lys Arg Thr Ala His Tyr Ala Glu
402 145                 150                 155                 160
405 Gln Arg Ala Phe Thr Ala Gly Leu Val Gln Lys Val Leu Gln Ala Pro
406             165                 170                 175
409 Gly Asp Leu Ala His Leu Phe Phe Gln Arg Leu Gln Arg Gln Arg Val
410             180                 185                 190
413 Leu Thr Val Ala Glu Gln Val Ile His Gln Gln Leu Leu Gly Lys Arg
414         195                 200                 205
417 Leu Glu Val Phe Arg Gln Leu Gly Lys His Thr Glu Val Phe Gln Tyr
418     210                 215                 220
421 Ser Val Ala Arg Gln Arg Phe Thr Gly Leu Phe Thr Asp Ala Arg Thr
422 225                 230                 235                 240
425 Val Asp Gln Val Gln Leu Ala Val Leu Ala Gln Gln Val Val Gln Met
426             245                 250                 255
429 Gln Val Phe Leu Pro Gln Pro Phe Gly Val His Leu Arg Asp Arg Thr
430             260                 265                 270
433 Gln Arg Phe Gly Glu His Arg Gly Leu Phe Val Gly Gln Arg Arg Gln
434         275                 280                 285
437 Arg Phe Asp Gly Leu Pro Gly Ile Gly Gln Ala Phe Gly Ala Phe Glu
438     290                 295                 300
441 Glu Leu Glu Gln Gln Pro Thr Ala Leu Ala Phe Leu Gln Ala Ile Gly
442 305                 310                 315                 320
445 Glu Gln Pro Gly Gly Gly Gln Ala Val Phe Gly Gln Gln Ala His Ala
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/13/2005
PATENT APPLICATION: US/10/537,017   TIME: 09:40:57

Input Set : A:\67314-02 SEQ LIST.txt
Output Set: N:\CRF4\06132005\J537017.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 444
Seq#:7; N Pos. 691

VERIFICATION SUMMARY　　　　　　　　　　DATE: 06/13/2005
PATENT APPLICATION:　**US/10/537,017**　　　　TIME: 09:40:57

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Output Set: **N:\CRF4\06132005\J537017.raw**

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:660